

AMENDMENTS TO THE CLAIMS

1. (Previously Presented) A method comprising:
predetermining content of a data stream prior to receiving a request for the data stream;
~~receiving a request for a data stream from a client;~~
~~sampling the data stream;~~
~~generating one or more fingerprint blocks for one or more sampled portions of the~~
based on the predetermined content of the data stream;
~~transmitting the one or more fingerprint blocks to the client via a first connection~~
prior to receiving the request; and
receiving the request for the data stream; and
~~transmitting the data stream in response to the request on-demand to the client via~~
~~a second connection, wherein the on-demand transmitting of the data~~
~~stream includes simultaneous transmission or delayed transmission~~
~~according to a demand.~~
2. (Original) The method of claim 1, further comprising sending to the client
~~parameters for sampling portions of the data stream according to sampling~~
parameters.
3. (Original) The method of claim 1, wherein generating ~~one or more~~ fingerprint
blocks comprises generating cyclic redundancy check (CRC) values for the ~~one or~~
~~more~~ sampled portions of the data stream.

Claims 4-18 (Cancelled)

19. (Previously Presented) A ~~client system~~ comprising:
- ~~a processor~~ a storage medium; and
 - ~~a memory coupled to said processor having stored therein a set of instructions to~~
 - ~~cause said processor to:~~ a processor coupled to the storage medium, the
 - processor to:
 - predetermine content of a data stream prior to receiving a request for the
 - data stream;
 - generating the ~~receive a first set of fingerprint blocks from the server via a~~
 - first connection based on the predetermined content,
 - transmitting the fingerprint blocks via a first connection prior to receiving
 - the request;
 - receiving the request for the data stream; and
 - ~~receive~~ transmitting the data stream ~~on demand at the client~~ via a second
 - connection, wherein the ~~on-demand receiving~~ transmitting of the
 - data stream includes simultaneous reception or delayed reception
 - ~~according to a demand,~~
 - ~~sample the data stream at the client,~~
 - ~~generate a second set of fingerprint blocks for one or more sampled,~~
 - ~~portions of the data stream at the client, and~~
 - ~~compare the second set of fingerprint blocks to the first set of fingerprint~~
 - ~~blocks.~~

20. (Previously Presented) The ~~client system~~ of claim 19, wherein the first connection comprises an out-of-band connection, and the second connection comprises a primary data connection.
21. (Previously Presented) The client of claim 19, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate an error message ~~to the server if the~~ a second set of fingerprint blocks generated at the ~~client~~ does not match ~~the~~ a first set of fingerprint blocks ~~generated at the server~~.
22. (Previously Presented) The client of claim ~~19~~ 21, wherein ~~the set of instructions comprises instructions to cause the processor~~ is further to communicate a valid status message ~~to the server if the~~ second set of fingerprint blocks generated at the ~~client~~ match the first set of fingerprint blocks ~~generated at the server~~.

Claims 23–27 (Cancelled)

28. (Previously Presented) ~~A~~ An article of manufacture comprising a machine readable medium having ~~stored thereon data representing sets of instructions~~ which, when executed by a machine, ~~cause the~~ cause a machine to:
predetermine content of a data stream prior to receiving a request for the data
stream;
~~receive a request for a data stream from a client;~~
~~sample the data stream;~~

~~generating-generate one or more fingerprint blocks for one or more sampled portions of the data stream~~ based on the predetermined content;
transmit the ~~one or more fingerprint blocks to the client~~ via a first connection
~~prior to receiving the request; and~~
~~receiving the request for the data stream; and~~
transmit the data stream ~~on-demand to the client~~ via a second connection, wherein
the ~~on-demand~~-transmitting of the data stream includes simultaneous
transmission delayed transmission ~~according to a demand~~.

29. (Previously Presented) The machine readable medium of claim 28, wherein the
~~sets of instructions when executed by the machine, further cause~~ causing the
machine to generate ~~one or more fingerprint blocks by~~ further cause the machine
to generating-generate cyclic redundancy check (CRC) values for the ~~one or more~~
sampled portions of the data stream.
30. (Previously Presented) The machine readable medium of claim ~~28~~ 29, wherein the
~~sets of instructions when executed by the machine, further cause the machine to~~
~~send to the client parameters for sampling~~ sampled portions are sampled via
sampling parameters for sampling portions of the data stream.